Michigan   **Grade 5**

FlyBy Math™ Alignment **Michigan Mathematics** **Grade Level Content Expectations v.6.04**

Strand: Number and Operations

Solve applied problems with fractions

Grade Level Content Expectation	*FlyBy Math™ Activities*
N.MR.05.19 Solve word problems that involve finding sums and differences of fractions with unlike denominators using knowledge of equivalent fractions.	--Use calculations and experimental evidence to predict, describe, and explain several aircraft conflict problems.
N.FL.05.20 Solve applied problems involving fractions and decimals; include rounding of answers and checking reasonableness; use examples involving money.	--Use calculations and experimental evidence to predict, describe, and explain several aircraft conflict problems.

Strand: Data and Probability

Construct and interpret line graphs

Grade Level Content Expectation	*FlyBy Math™ Activities*
D.RE.05.01 Read and interpret line graphs, and solve problems based on line graphs, e.g., distance-time graphs, and problems with two or three line graphs on same axes, comparing different data.	--Represent distance, speed, and time relationship for constant speed cases using tables, bar graphs, line graphs, equations, and a Cartesian coordinate system.
D.RE.05.02 Construct line graphs from tables of data; include axis labels and scale.	--Represent distance, speed, and time relationship for constant speed cases using tables, bar graphs, line graphs, equations, and a Cartesian coordinate system. --Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes.